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DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

Yellowstone NATIONAL PARK

FILE No. 143

MONTHLY REPORTS

December, 1926

DECEMBER-1926



DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

YELLOWSTONE NATIONAL PARK

YELLOWSTONE PARK, WYO.

OFFICE OF THE SUPERINTENDENT

*File upon  
Hues*

January 7, 1927

Dear Sir:

The following is a report on the activities of Yellowstone National Park for the month of December, 1926.

000 - General.

Superintendent Albright spent almost the entire month in California, working most of the time in conjunction with the Bureau of Public Roads, in his capacity as Assistant Director (Field), on road matters. Assistant Superintendent Hill was Acting Superintendent of the Yellowstone in his absence, Clerk Joseph Joffe filled the position of Acting Supervisor and Resident Engineer Daum had general supervision of the engineering, mechanical, electrical and painting departments and the work of the carpenter foreman. This arrangement has been in effect since Mr. Albright's departure from the park on November 1st and has proven very satisfactory.

Road conditions between the north entrance and Mammoth Hot Springs have been good throughout the month and there has been considerable local travel to park headquarters. The loop road between Mammoth and Tower Falls was closed to motor travel on the 12th. Mail deliveries between Gardiner and Cooke City, Montana, have been made by sleigh on regular schedules throughout the month. All other park roads have been closed to travel since November 23rd.

*Copy for Mr. Albright*



130 - Finance and accounts:

The total appropriation available to Yellowstone National Park for the current fiscal year is \$527,406.46. There is a reserve set up against these appropriations of \$11,940.00 and an additional sum of \$16,774 was transferred from the Yellowstone appropriation to the Glacier Park appropriation to take care of a portion of the expenses of fighting the forest fire. This leaves a balance available for expenditure in the park of \$498,692.46. The close of December 31, 1926 finds the status of these combined appropriations as follows:

Total available for expenditure in the park . . . \$498,692.46

Voucher record payments	\$378,843.01
Book liabilities	7,010.06
Labor outstanding	314.44
Meals "	65.00
Freight "	3,848.51
Telephone & Telegraph	20.00
Dr. Windsor, unpaid	<u>247.50</u>

Total expended and obligated . . . . . \$390,348.52

Balance (unexpended and unobligated) \$108,343.94

APPROPRIATION 46433 YELLOWSTONE NATIONAL PARK, 1926

	<u>Allotments</u>	<u>Expended</u>	<u>Balance</u>
Previously reported	\$353,083.00	\$353,002.92	80.08
Expended during December		<u>25.27</u>	<u>25.27</u>
	\$353,083.00	\$353,028.19	54.81

APPROPRIATION 46433 YELLOWSTONE NATIONAL PARK, 1926-27

Previously reported	28,700.00	27,208.05	1,491.95
Expended during December		<u>133.16</u>	<u>133.16</u>
	28,700.00	27,341.21	1,358.79

APPROPRIATION 47433 YELLOWSTONE NATIONAL PARK, 1927

Previously reported	340,586.00	219,680.22	120,905.78
Expended during December		<u>23,205.33</u>	<u>23,205.33</u>
	340,586.00	242,885.55	97,700.45



APPROPRIATION 4436 ROADS & TRAILS, NATIONAL PARKS.

	Allotments	Expended	Balance
Previously reported	\$125,906.46	\$106,377.73	\$19,528.73
Expended during December		1,197.42	1,197.42
	<u>\$125,906.46</u>	<u>\$107,575.15</u>	<u>\$18,331.31</u>

APPROPRIATION 47406 INSECT INFESTATION, NATIONAL PARKS.

Previously reported	3,500.00	1,039.60	2,460.40
Expended during December		1.50	1.50
	<u>\$3,500.00</u>	<u>\$1,041.10</u>	<u>\$2,458.90</u>

150 - Equipment and supplies.

Six steel filing cabinets (4-drawer units) were received during the month.

The employees of the transportation department were engaged during the month in hauling freight, express, market, hay and oats from Gardiner to the Store House at Mammoth, and in moving supplies and cleaning up headquarters. The storehouse employees were engaged in receiving and storing forage and supplies, issuing supplies, and inventorying all departments at Mammoth (physical).

200 - Maintenance and Improvements.

No road maintenance work has been done this month.

220 - Improvements - buildings.

Carpenter Shop: Besides small repair jobs and the making of storm sash for different houses, the carpenter foreman has completed the new set of quarters in the old commissary and has enclosed the rear porch, he has lined the projection room with tin, built new benches and shelves for the garage.

Painting Department: The Master Painter and his assistants did the following work during the month: Finished Dale's quarters complete; glazed new storm sash for following quarters: Brady, Lord, Blastoeh, Neumann, Dale, Beatty and Engineer's Office; papered room and painted bath room of new addition at Neumann's quarters; bronzed radiators at Dunn's quarters; Miscellaneous work and inventory. The Master Painter was on leave three days.



Plumbing Department: The Master Plumber and his assistants were engaged in insulating steam and vacuum mains in the new heating plant connecting Webber's, Dunn's and Brown's quarters, running sewer and water connection onto the new bathroom which is to be installed in McFarland's quarters, and general maintenance work to water and sewer systems at headquarters and maintaining heating plants and plumbing systems in buildings at Mammoth.

Electrical Department: The following work was done by the Chief Electrician and his assistants: Downstairs was rewired complete in Dr. Brady's quarters, and 3 additional base plugs put in. Installed switches, base plugs, hung fixtures and finished the wiring complete in Mr. Dale's new quarters. He and his family moved into the new quarters on December 18, 1926. Four days of the month were devoted to taking inventory in the shop. The Chief Electrician operated the power plant for 9 days taking the place of Albert Collins who was killed on December 22, 1926.

Garage: Work was performed on the following motor vehicles during the month: Five F. W. D. Freight trucks completely overhauled (Nos. 511-513-514-519-521.); 2 freight trucks, 1 major 3 minor repairs; two touring cars; 2 minor repairs; overhauled 6 graders and 3 dump wagons.

230 - New Construction - roads.

All construction of roads was stopped last month by the weather and there is no change in the status of the different projects.

260 - Landscape Work:

All work along this line was discontinued last month.

300 - Activities of other agencies in the park.

311 - Character of service rendered to the public.

The general store at Mammoth Hot Springs has been open to the public throughout the month but the patronage has consisted chiefly of local residents. This service has been satisfactory. There are no other concessions in the park in operation during the winter season.



400 - Flora, fauna and natural phenomena.

410 - Ranger Service.

Chief Ranger Woodring has been actively in charge of all protection department activities during the month. He made frequent patrols along the north line from Reece Creek to Grevice and in the Mammoth, Gardiner and Blacktail Districts; he journeyed to and from Buffalo Ranch on the 13th and 14th and spent the 15th to 20th inclusive in the hunting area along the north line. His activities since the 20th have consisted of routine work at headquarters station and patrols of the nearby range of the elk, deer, antelope and sheep.

Assistants Chief Ranger Trischman, Douglas and Leik have been in charge of the patrols and other protection department activities of their respective supervisory territories. Douglas has been absent on annual leave since the 14th. Trischman relieved him on the north line patrol during the closing days of the hunting season, and has since returned to his duty station on the west side via Sportsman's Lake and Gallatin. Assistant Chief Ranger Greer has been acting for and in behalf of the Chief Park Ranger during the periods of his absence from headquarters. He has performed routine duties at headquarters station and the detail work of the Chief Ranger's Office consisting of report compilation, communication service with outlying stations, assisting with the Nature Notes publication, correspondence with applicants for ranger employment, etc. He has recently completed an interesting report of the occupations of auto visitors to Yellowstone Park during the tourist season of 1926. (attached)

The principal activities of park rangers during the month have consisted of the special daily patrols of the park boundaries adjacent to hunting areas--these patrols were concluded at the termination of the hunting season, Bechler District on the 15th and North District on the 20th, with the exception of the daily patrols of the antelope range which will continue throughout the winter season. Other activities have consisted of the regular patrols throughout the park area, snow removal from buildings, winter season repairs and maintenance to telephone lines, observation and reports of thermal activities, water gage heights, weather instruments, etc., predatory animal hunting and routine station duties. All patrols have been regularly made and conditions are reported as good throughout the park.

470 - Animals.

There has been no material change in wild animal conditions. Forage conditions are good, particularly on the north slopes of the winter range. Snow depths are not excessive, but considerable crust has been formed along the upper valleys.



The slough creek meadows will probably be worked out before spring on account of the large bands of elk that have been ranging there since early in the season and some feeding may become necessary in this locality. Similar conditions may develop on the Lamar River meadows in the vicinity of buffalo ranch but there is no real shortage of forage anywhere at present.

Elk: Unusual elk movements have occurred in the Gallatin District. Several large bands have moved down the river, beyond the limits of the game preserve, for a distance of about 20 miles. The advance guard of this movement is reported in the immediate vicinity of Harst's Camp. This drift was coincident with the movements along the Yellowstone following the cold wave of the 12th to 14th at which time approximately 1500 moved down from the park into the hunting area adjoining the north line. These movements were not caused from lack of forage and ceased altogether following the recurrence of moderate weather conditions.

The most noteworthy counts submitted late in the month show the following distribution:

Immediate vicinity of headquarters station 834, east slope of Mt. Everts 650, Cottonwood Basin to Hellroaring slope 1500, Lower slough creek meadows to junction with Lamar River 1500, Lamar River meadows, about the canyon, in vicinity of Buffalo Ranch 2500, immediate vicinity of Tower Falls station 60, along highway between Tower Falls and Blacktail Deer Creek 425 and Reese Creek district 500, together with the following counts from the upper park: Along highway from Golden Gate to Norris 22, on meadows along the Gibbon River between Norris and Madison Junction 48, along the meadows of the Madison River between Madison Junction and West Yellowstone 86, along the Firehole River between Madison Junction and Old Faithful 130, Pelican meadows in Lake District 25, and 3 small bands in the Snake River District comprising a total of 44 and a grand total of 8,324, exclusive of the Madison and Gallatin Herds now ranging in the Forest Reserves outside the park.

The final reports of elk killed by hunters in the hunting areas adjoining the park are noted briefly as follows:

North side 719, West side 121, East side 34, Bechler River District, actual counts 150, estimated 200 and Upper Yellowstone District 16, total 1,090. Briefly commenting on the kills made by hunters along the north line I will state that the season opened on the 15th of October and closed on December 20th. There were 27 kills reported prior to December 1st. 45 were reported



*also*  
*Forest Service*  
*Game*  
*State game*  
*monitors*

killed from December 1st to 12th, inclusive and 647 from the 13th to 20th, inclusive. Approximately 1500 elk drifted out of the park into the hunting area during the interval last above noted which accounts for the large kill during this period. The drift was coincident with and immediately following the extreme cold wave of the 12th to 14th. The record day occurred on December 15th. The shooting was preceded by a band of about 300 moving down out of the park about day break. The hunters were on the ground at the time and quickly took advantage of the situation by closing in and encircling the herd. All attempts to break through were controlled by the persons approached rising from cover and quietly waiving them back. They finally bunched and remained quiet until the shooting started, as prescribed by law, at 8 A. M. The shooting ceased after about an hour of furious activity and there were more than a hundred dead elk on the ground. Every hunter claimed a carcass and the State Game Warden took possession of 11 that were left unclaimed. A small consideration of mercy consisted of the fact that very few of the seriously wounded escaped. The provision of the hunting law prohibiting shooting before 8 A. M. and after 5 P. M. has aided materially in this particular throughout the season. The State Game Department, Forest Service and National Park Service cooperated splendidly in exacting strict compliance with law and Department Regulations. Only a few violations occurred and the known offenders were in each instance quickly apprehended and punished. 5 deer were unlawfully killed resulting in four speedy convictions with fines ranging from \$25.00 to \$100.00. There were a few arrests and convictions for killing more than the legal limit of elk. ✓

The following elk losses within the park have been noted this season todate: Injuries caused by hunters outside the park boundaries 9, losses resulting from accident 3, coyote kills 2, total 14.

There is an estimated total of 1,000 elk killed by hunters in the Jackson Hole Country and 38 were drowned in the Snake River near Moran, Wyoming, while attempting to cross on the ice.

Deer: The most noteworthy deer counts during the month are reported as follows: North slope of Sepulcher Mountain 105, Reece Creek District 250, immediate vicinity of Mammoth Hot Springs 40, Gardiner-Crevise District 68, Hellroaring-Cottonwood District 75, Pebble Creek District 19, Jackson Grade 7, Tower Falls District 12 and Old Faithful District 28, total 604.

Five were unlawfully killed by hunters in the vicinities of Gardiner and Jardine during the month, resulting in 4 convictions, 6 were killed by coyotes and there were 2 losses from accidental causes. The losses this season todate are as follows:



Killed by hunters 110, accidental causes 5, killed by coyotes 7, natural causes 4, total 126, as compared with a total of 70 to January 1st, 1926.

Antelope: The antelope fence was lifted on the 27th and there is now a total of 80 on their winter range outside the park. The largest count secured this season is 546. Their winter range is patrolled daily and conditions are excellent. A loss of 2 has been reported this season. One was unlawfully killed by a hunter in Cinnabar Basin and one was accidentally killed in a fight with another antelope.

Moose: Only two noteworthy counts were submitted during the month. These consisted of 17 on upper slough creek and 27 in the Thorofare District. Lone individuals and groups of two or three have been reported from several points and signs are abundant in districts noted in previous reports. There were no losses observed during the month. The previous reported losses, all of which were caused by hunters, was 36.

Sheep: The sheep counts of the past few weeks consist of the following: Mt. Everts and Gardiner Canyon 37, Hellroaring District 35, Junction Butte 44, Specimen Ridge 35, Mt. Norris 22 and Abiathar Mountain 4, total 177. These counts are quite satisfactory in that they show an increase in the bands most commonly seen. Increased counts will, no doubt, be secured later in the season when the isolated bands from the remote districts move down to the more accessible points along the trails. There have been no losses observed during the month. Sheep losses from natural causes or predatory animals activities are seldom observed. Ten were killed by hunters this season as compared with 3 last year.

Buffalo - Lamar River Herd: This herd is now assembled in the vicinity of buffalo ranch with the exception of a few small bands and lone individuals that have moved down the Lamar River in the vicinity of slough creek. The calves will be corralled for weaning and winter feeding early in January.

The following reduction in the herd total has occurred during the month:

Shipments - Dr. James T. Arwine, Care Veterans Hospital, Helena, Montana, 1 steer, slaughtered and dressed	1
Slaughtered because of advanced age or other infirmities	
4 cows, 2 steers and 1 bull	
Total	$\frac{7}{8}$

A detailed statement of the reductions in the herd total this season to date is given as follows:



Shipments	18 males and 9 females	27
Destroyed because of old age or other infirmities		
4 males and 4 females		8
	Total	35

This total consists of 14 steers, 5 cows, 2 bulls, 6 calves (2 males and 4 females), and 8 long yearlings (4 males and 4 females). A re-count of the 1926 calf crop submitted on January 4th 1927 in connection with the segregation of the calves from the adults for the purpose of weaning and winter feeding shows an increase over previous counts and other details as follows: female calves 51, male calves 58, total 109. The count submitted in the annual report for the fiscal year 1926 was 105 and the herd total then submitted was 846. The re-count increases this total to 850 which has since been reduced by the number above indicated (35) leaving a total at this time of 815. Twenty calves of the 1926 crop have been castrated.

Buffalo - Cold Creek - Pelican Creek Herd: This herd normally ranges in winter along the headwaters of Miller, Cold and Pelican Creeks. They are rarely seen in groups of more than 7 or 8 and usually in groups of twos and threes. Their signs are the principal factor in determining their approximate numbers and location. We are submitting, however, this month, the largest actual count in recent years. This count consists of one band of 43, near the drift fence on Mt. Morris and another band of 22 on Cache Creek. These counts are very unusual in point of numbers and their comparatively near approach to the winter feed grounds of the Lamar River Herd is very extraordinary; these counts together with an additional count of 7 on the Pelican Creek Meadows makes a total of 72. This is the largest actual count of recent years, although there is an estimated total of 125 in the so-called wild buffalo herd of the Yellowstone.

Bears: The bears are in hibernation and no activities have been observed during the month.

Predatory animals: Signs of a lion have been recently observed in the Grayling Creek District and signs of a wolf, perhaps two, have been noted along the lower trail between Hell-roaring and Tower Falls. Seventy-four coyotes were killed during the month which together with 89 previously reported makes a total of 163 as compared with 182 to December 31st last year, 131 to December 31st, 1924 and 75 to December 31st 1923.

Small animals: Marten signs are abundant in the Canyon, Lake and Old Faithful districts, in the vicinity of Mount Holmes and along the west boundary between the South Riverside and Buffalo Lake Cabins. Signs have also been recently reported in the Thorofare District, the Cold Creek and Miller Creek districts and along Pebble and upper Soda Butte Creeks. Beavers are active,



as ever, at points indicated in previous reports. There is a family of 8 otters on Yellowstone Lake, near Thumb Station, a family of 5 at Fish Lake and abundant signs of their activities on Pebble Creek, Slough Creek, Blacktail Deer Creek and Lava Creek. They have been seen within recent months along the Gardiner River near Mammoth and along the Madison and Firehole Rivers near Madison Junction. Mink, weasels, foxes and skunk are also fairly numerous throughout the park. Lynx signs are more numerous than at any time in recent years.

Water Fowl: There is nothing of special interest concerning water fowl at this time.

Buffalo and Other Ranch Operations: The activities at buffalo ranch have consisted principally of routine winter season duties including the care of work and saddle horses, upkeep and maintenance of buildings, equipment, and grounds and the work incident to the care and keep of the buffalo herd. The calves were corralled for weaning and separate feeding on January 4th. The feeding of the adults will begin when forage conditions warrant which is usually late in January. Two saddle horses recently purchased for use at the ranch were attacked and seriously injured by buffalo bulls on the night of November 24th resulting in the loss of one of the horses. A similar loss occurred at the slough creek ranch on December 6th when one of our most valuable team mules was attacked and fatally injured by a buffalo bull. These losses are difficult to avoid because of the necessity of permitting the horses to graze and the almost prohibitive expense of fencing the buffalo out. However, we have erected a strong inclosure on the winter feed ground of the Park Service and range horses at the Yancey Ranch which will afford them the desired protection during the period of winter feeding. Horse feeding at the Yancey Ranch began on December 27th. There are 44 horses in the herd. This work is done by the ranger at Tower Falls Station. There were no noteworthy activities at the Slough Creek or Gardiner Ranches during the month. There has been no wild animal feeding at any of the ranches todate.

#### 480 - Natural Phenomena.

There has been little change in the hot spring activity at Mammoth since the end of November. Angel, White Elephant, Soda Spring, Orange Spring, Bath Lake and the east end of Mound are entirely dry. There is less water at the west side of Mound and at New Highland and Old Angel than there was at this time last month. Cleopatra and Minerva both are slightly active again after drying completely during November. There is a greater portion of the terrace at Hymen covered by hot water and steam than there was last month. The hot spring activities are noted by Park Ranger Margerite Lindsley.



Both Stygian and Stalactite Caves are filled with great, long, blue icicles from the constant dripping of water from the tiny springs on the ridge above them. They are much more beautiful than they are in the summer when filled only with dark mosses and slime from the moisture and with the wire netting which it is necessary to keep over them to keep the small mammals and birds from the suffocating gases. Today five great bull elk were standing just in front of the caves, watching my slow approach on skis.

The most interesting phase of the activity on and about Jupiter Terrace is the ever changing color. In the deeper pools and geyser craters of the upper park the temperature of the air has little, if any, effect on the temperature of the water. Here, the water is spread out in thin sheets over the surface of thousands of terraces, varying in size from a fraction of an inch to many feet. Naturally, a very low air temperature affects the temperature of the water, and the result is a darkening of the colors present. The brilliant blues and pinks and oranges and greens of last month have given way to the duller greens, drab yellows and sepias and these colors predominate over the whole of the top of Jupiter. Perhaps this is due to the cold weather we have had during the month of December and perhaps it indicates a real lowering in the temperature of the water as it issues from the travertine.

A visit was made to Devil's Kitchen with a very careful search for bats but none were noted, nor were there signs that there had been any there recently.

Twenty or more deer were seen at various points along the formation trails, probably the ones we see so much of about the buildings at Mammoth when the weather is not so mild and the snow is deeper.

Morris Basin: While there have been no recent changes of any considerable magnitude, this basin shows enough new developments to sustain its reputation as the most shifting and variable of all the thermal regions of the park.

Constant Geyser remains inactive and gives evidence of remaining so, as was the case last winter. On the other hand Whirligig is displaying unwonted activity and its interval is much shorter than during the summer. A small vent about 15 feet to the east is playing simultaneous with its large neighbor. The Mud Geyser has not played for a considerable period judging from the accumulation of ice and snow in the run-off channels. The geyser activities are noted by Charles Phillips, Park Ranger.



The Bath Tub is playing exceptionally vigorously and its jet sometimes assumes true geyser proportions. The breach in the center at the south end is enlarging rapidly. New Crater and Echinus are unchanged but the unnamed geyser below the latter is far more active than the writer has ever observed it.

The Minute Man appears to have become dormant for the time being although the vent still boils vigorously. In contrast several neighboring craters show marked increases in power. Notably among these is the Vixen which is at present playing constantly. The nearby Veteran, ordinarily of little interest to the average sightseer, is holding its own with its more attractive neighbors. Mention should also be made of the fact that the Palpitator which went out of commission in midsummer has assumed operations again. This inconspicuous little pool is extremely fickle in temperament but when working properly is one of the most fascinating objects in the basin.

The Hundred-Spring Plain is at present flooded by the damming of the various outlets by ice jams. For that reason a survey of the area is impossible, in fact, many of its vents are under several inches of water.

Lower Basin: The thermal phenomena of the Lower Basin are so scattered that continued observation is difficult. The area as a whole represents a later development than the other two basins and its activity is of a more stable nature.

The Mammoth Paint Pots are much more attractive than they were in mid-summer when the protracted dry period reduced their activity to a minimum. The Fountain Geyser shows no evidence of new activity and the channels that would carry away the heated water are full of ice and snow. A single eruption of Clepsydra observed attributed no diminution in the unusual vigor this geyser has been showing for several season.

The dense steam clouds hanging over the basin occupied by Hot Lake and Black Warrior Geyser make visual observations impossible but the Lake level remains at its normal height and the roar of the geyser indicates no change in its power. The activity of the White Dome is reduced to a feeble spurt at very uncertain intervals.

Great Fountain, the gem of the basin, was noted at the close of one eruption. While no data was obtained regarding its interval the activity observed demonstrated that this splendid but little known geyser is quite up to its summer standard. The numerous unusual springs which are a feature of this season of the basin show no change.



At Excelsior, again, the heavy steam clouds make visual observation impossible and in fact render a near approach rather hazardous. There is no evidence from a distance of any change in the vent. The color of Prismatic Lake is remarkably different from summer. The Brilliant red of the rim has been largely replaced by browns and greens due without doubt to the cooling effect of the winter air on the trickling streams of the overflow.

Upper Basin: Riverside Geyser sustains its reputation for year-round regularity. Its interval remains at about seven and one-half hours. The Daisy displayed its customary vigor in a single eruption noted. Bonita Pool, which has served as an indicator for Daisy, has become somewhat erratic of late.

Giant Geyser has remained inactive after its eruption of October 20th. This, however, is quite in accordance with its period of late years. The writer witnessed an exceptionally fine eruption of Grand Geyser recently. The impossibility of keeping a log across the vent to detect night eruption makes it difficult to get accurate data on its interval at this season.

The log across the Beehive indicates no activity since September. The winter keeper of the Inn reports no activity on the part of Giantess Geyser, evidence that may be regarded as quite satisfactory as the Giantess in eruption at this season would make its presence known day or night in no uncertain terms.

The writer's observations since his return of the lesser geysers of the basin have revealed no change of significance. The same may be said of the Black Sand and Biscuit Basins. There remains to mention only Old Faithful and any reference to its possible irregularity seems like an affront to an old friend. Six intervals measured recently showed a minimum of 63 minutes and a maximum of 68. The six averaged  $65\frac{1}{2}$  minutes. This is a thirty second increase over the summer average interval which normally increases in winter to about 67 or 68 minutes.

#### 510 - Increase or decrease of travel.

All entrance and exit travel during the month was via the north entrance. There was no travel beyond park headquarters. Winter season visitors are not required to register and we have no accurate check of the travel. We have made note, however, of 46 visitors at Park Headquarters during the month. This travel has consisted principally of visiting clergymen, salesmen, and friends and relatives of park residents. The pre-season travel previously reported consists of 1203 visitors traveling in 441 cars which together with the travel this month consisting of 46 visitors traveling in 15 cars makes a total of 1249 visitors in 456 cars, as compared with 514 visitors in



164 cars to December 31st, 1925.

520 - General weather conditions.

521 - In the park.

The outstanding features of the month were, the prevalence of mostly mild or only moderately cold weather, except the four-day period of abnormally low temperatures, and the persistence of cloudy, unsettled weather with very light snow, the monthly total snowfall being one among the six lowest amounts in the December record for the past 41 years.

Temperature: Monthly mean,  $18.1^{\circ}$ , is  $3.5^{\circ}$  below normal. Mild temperatures prevailed during a few days at the beginning and at the close of the month, while during the remaining three weeks temperatures ranged from slightly below normal to extremely cold for a few days. A cold wave of unusual severity prevailed from the 12th to the 15th inclusive, it being the first real winter weather that has been experienced here for a period of nearly two years, or since the record-breaking cold wave of December 17-27, 1924. The two days of lowest temperature were the 13th and 14th with  $23^{\circ}$  and  $26^{\circ}$  below zero, respectively.

Precipitation: Total, 0.83 inch, is 0.99 inch below normal, and the least for the past eight years. Rain, mostly light, occurred on the first few days, while extremely light snow was of almost daily occurrence thereafter.

Snowfall: Total, 6.0 inches, is the least December amount since 1918. The normal is 15.2 inches. The greatest depth on the ground was 3.0 inches on the 25th; at the end of the month there were 2.2 inches on the ground.

Wind: The average hourly velocity was 8.8 miles; normal 8.0. The maximum velocity was 33 miles per hour from the southwest on the 24th.

Sunshine: Percentage of possible was 33; normal 39.

Snow depths: Snow depths throughout the park with comparative figures for 1925 and 1924 are noted as follows:

<u>Station</u>	<u>1924</u> <u>inches</u>	<u>1925</u> <u>inches</u>	<u>1926</u> <u>inches</u>
Mammoth	15	13.8	2.2
Horris	21	15	24
Riverside	22	13	26
Gallatin	23	18	15
Lake	30	18	17
Canyon	26	20	28



<u>Station</u>	<u>1924 inches</u>	<u>1925 inches</u>	<u>1926 inches</u>
Buffalo Ranch	22	9	4
Cooke City Station	30	26	38
Norris-Canyon Divide	36	24	38
Upper Slough Creek	36	39	34
Lower Slough Creek	30	20	23
Hellroaring	18	6	6
South Riverside Cabin	48	24	60
Snake River Station	27	22	40
Aster Creek	54	45	50
Sylvan Pass	32	20	30
Bechler River		35	63

The snow depths reported from the South District with water content is noted as follows:

<u>Location</u>	<u>Snow Depth</u>	<u>Water Content</u>
Snake River Station	40 inches	9.5 inches
Aster Creek	50 "	15. "
Lewis Lake Divide	92 "	30. "
Cascade Creek	65 "	17.5 "

Snow depths at other points are indicated as follows: Grayling Cabin 35 inches, Continental Divide near Buffalo Lake 84 inches, Fox Creek Cabin on south boundary 46 inches, Continental Divide between Thorofare and Fox Creek 54 inches, Thorofare Cabin 28 inches, Cabin Creek 18 inches, Park Point 18 inches, Fawn Pass 50 inches and Sportsman's Lake 42 inches. Temperatures have been moderate throughout the month with the exception of the cold wave of the 12th to 14th which was most intense on the night of the 13th-14th with temperatures reported as follows:

Mammoth, Snake River and Lake Stations	26 below zero
Norris	32 " "
Tower Falls	30 " "
Canyon & Lower Slough Creek	38 " "
Hellroaring	39 " "
Upper Slough Creek and Cooke City Stations	40 " "
Buffalo Ranch	41 " "
Riverside Station	49 " "

Yellowstone Lake froze over on the night of December 23rd.

#### 540 - Special Visitors:

There were no particularly noteworthy visitors during the month.



Memorandum regarding the death of Albert Collins:

Albert Collins was an employee of the National Park Service at Yellowstone National Park, with the rating of "Electrician". He had the night shift at the Mammoth Power House, 10 P. M. to 6 A. M., month of December.

At about 10 A. M., December 23rd, 1926, Mr. William Wright, winter manager for the Yellowstone Park Store at Mammoth arrived at the headquarters office, having returned from Gardiner, with the news that he had just discovered the body of Albert Collins lying with his Ford car off the road about a half mile below the "Chinese Gardens," between the 2 and 3 mile post from Mammoth.

A party consisting of the following named men then accompanied Mr. Wright to the scene of the accident: Messrs. Joffe, Dams, Trischman, Bruce and Sprinkel, and Dr. R. R. Brady. A car containing Mr. Collins' brother, Charles Collins, Mr. Harry Lloyd of Gardiner, Mr. Frank Lind of Gardiner, and Mr. Larsen of Gardiner, arrived at the scene of the accident at the same time. The car was found on the edge of the river where the maximum depth of the water was about 6 inches. The body of Mr. Collins was lying face down with his knees resting on the floor of the car, under the steering wheel, and his face on the ground in about an inch of water, the nose and mouth submerged. Mr. Collins was wearing glasses at the time and the right glass was shattered and the bridge broken. The left front wheel of the car had been broken completely off, the front axle was slightly bent but otherwise the car showed no signs of an accident and evidently did not turn over.

At the request of Mr. Collins' brother, the frozen body was removed to Gardiner and placed in the Eagle's Lodge Room. A telephone message was sent to Mr. Walter Selby, undertaker of Livingston, Montana, to come to get the body. This was done at the request of Mr. Collins' brother.

On the return trip from Gardiner to Mammoth a more thorough investigation of the scene of the accident was made, resulting in the following discoveries:

A large order of groceries, meat, etc., was strewn over the ground together with automobile tools of various kinds. The right front spindle arm of the Ford was broken. A close examination revealed the fact that it had been crystallized, that is, only about half of the arm showed a new break. This accident would cause the right front wheel to be completely out of control of the driver while the left front wheel could still be guided from the steering wheel. This condition was verified by



the tracks made by the car just before it left the road. The right track, outside track, showed that the front wheel was turned out, probably nearing a right angle with the line of the car, and was pushed along in this manner for a distance of about 50 feet. This pulled the car to the right in spite of the driver, and finally went over the bank. The river at this point is about 6 feet below the level of the road and about 20 feet from its edge.

Mr. Collins was in Gardiner on the afternoon of December 22nd, purchasing groceries, etc., and no doubt the accident occurred near 5 o'clock on the afternoon of the 22nd, although the body was not discovered until about 10:30 on the morning of the 23rd. The car and Mr. Collins' body were at a curve, the sharpest curve on the Gardiner-Mammoth road, and about 20 feet from the road and, therefore, was not easily observed by persons who might have passed the scene of the accident. Also the car did not have a top of any kind on it, but had been built over into a sort of truck body. The car is of a 1914 or 1915 model bearing license No. Mont-26-T-7-417.

Mr. Collins has been employed with the National Park Service at Yellowstone National Park as electrician since June 1, 1919. He has always been a conscientious and efficient employee and his work has always been satisfactory. He has regularly taken one of the shifts at the power plant.

Mr. Collins was no doubt knocked unconscious when thrown from the car and having his face in the water did not regain consciousness before death by drowning. His death was purely accidental.

Funeral services were held at Livingston, Montana, on the afternoon of the 26th. The service was conducted by the Rev. Otto G. Penath at the Selby Undertaking Parlors. It was attended by about 40 residents of Gardiner and Mammoth. Mr. and Mrs. Joseph Joffe, Mr. E. A. Allan, Mr. W. H. Riley and Mr. C. A. Lindsley comprised the personnel of the Mammoth residents. Mr. Riley and Mr. Allan were pall bearers.

#### 900 - Miscellaneous:

Hospital and Medical Service: Dr. Richard R. Brady, the Resident Physician, reports 23 office calls and 43 house calls, one birth and one death during the month.

Post Office: Business in the post office during the month of December showed a substantial increase over the corresponding month last year, due probably to the greater number of families present.



Church Services: Services were held during the month of December as follows: By the English Lutheran Minister from Livingston, Montana, Tuesday evening, December 7th, in the lodge room. By Rev. Otto G. Ponath, Methodist minister from Pine Creek near Livingston, Montana, Wednesday evenings December 1st, 15th, and 29th, in the Lodge Room. Episcopal services were held by Rev. John P. Como in the Lodge Room on the evening of December 5th. Rt. Rev. H. H. H. Fox, Bishop Coadjutor of Montana, held communion service in the Chapel, assisted by Rev. Como, on the evening of Sunday, December 19th; and Rev. Como held Christmas services in the Chapel at 10:30 Christmas Morning, December 25th.

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A feeling of contentment and happiness has prevailed among the employees and their families during the month. The Christmas spirit seemed to take hold of all the residents here and everyone appeared to be in a much more pleasant frame of mind. A Christmas tree was had for the children of the community and presents were distributed on Christmas Eve. Santa Claus paid his annual visit and the children were very well remembered. A short program was put on by the school children and this was very well received by the grown-ups.

Cordially yours,

LEROY HILL  
ACTING SUPERINTENDENT

The Director,  
National Park Service,  
Dept. of the Interior,  
Washington, D. C.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
NATIONAL PARK SERVICE

TRAVEL REPORT

YELLOWSTONE National Park for the Month of DECEMBER, 1926.

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent
<u>PRIVATE TRANSPORTATION:</u>						
ars first entry, . . . . .	15	456	—	164	292	178
ars reentry, . . . . .						
motorcycles, . . . . .						
Total motor vehicles, . . . . .	<del>15</del>	<del>456</del>	<del>—</del>	<del>164</del>	<del>292</del>	<del>178</del>
Persons entering via motor vehicles, . . . . .	46	1249	19	514	735	143
Persons entering via other private transportation, . . . . .						
Total persons entering via private transportation, . . . . .	<del>46</del>	<del>1249</del>	<del>19</del>	<del>514</del>	<del>735</del>	<del>143</del>
<u>OTHER TRANSPORTATION:</u>						
Persons entering via stages, .						
Persons entering via trains, .						
Persons entering otherwise, . .						
Total other transportation, . .						
<u>GRAND TOTAL ALL VISITORS, . .</u>	<u>46</u>	<u>1249</u>	<u>19</u>	<u>514</u>	<u>735</u>	<u>143</u>

	This Year	Last Year	Increase	
			Number	Percent
Automobiles in public camps during month, . . . . .				
Campers in public camps during month, . . . . .				



## UNITED STATES

## DEPARTMENT OF THE INTERIOR

## NATIONAL PARK SERVICE

## STATUS OF AUTHORIZED PROJECTS

YELLOWSTONE

National Park for the Month of

DECEMBER, 1926

Description of Projects	Percent Constructed To Date	Percent Constructed This Month	Percent Constructed Last Month	Probable Date of Completion
<u>Project #1 - Firehale Cutoff</u>				
New construction, $1\frac{1}{2}$ miles	70 75 ✓	95 ✓	50 ✓	<sup>AUG 15, 1927</sup> June 18, 1927
Widening, 1-1/4 miles	20 35 ✓	15 ✓	50 ✓	June 18, 1927
<u>Project #3 - Lake Shore Road</u>				
Reconstruction, 12.4 miles	100 ✓	0 ✓	0 ✓	Completed June 28 except road-side cleanup.
<u>Project #9 - Unit No. 1 -</u>				
<u>Lower Falls-Mammoth Road</u>				
Reconstruction and surfacing, 1-1/4 miles.	100 ✓	0 ✓	0 ✓	
<u>Project #9 - Unit No. 2</u>				
Reconstruction, 3/4 miles	100 ✓	0 ✓	0 ✓	
<u>Project #10 - Sylvan Lake-Cub</u>				
<u>Creek East Entrance Road</u>				
Reconstruction, 7 miles	12 ✓	0	20	Dec. 1, 1927
<u>Project #11 - Inspiration</u>				
<u>Point Road</u>				
Reconstruction - 2 miles	100	0	0	Completed Aug.
surfacing 2 "	60	15%	0	25, 1926. except
<u>Project #12 - Soda Butte Road</u>				
Reconstruction, 1-1/2 miles	100 ✓	0	0	surfacing Oct. 20, 1926.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
NATIONAL PARK SERVICE

STATUS OF PERSONNEL

YELLOWSTONE National Park for the Month of DECEMBER, 1926.

	This Month	This Month Last Year
Number of employees beginning of month	63	63
Number of additions	2	1
Total	65	64
Number of separations	1	--
Number of employees close of month	64	64
-----		
Number of promotions during month		10
-----		
Aggregate amount of annual leave taken	174½	108½
Aggregate amount of sick leave taken	18	20
Aggregate amount of leave without pay	31	31
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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

Yellowstone National Park for the Month of December 1926

	This Year	Last Year
Park revenue on hand beginning of month . . . . .	None	None
Received. . . . .	\$76,070.07	\$14,598.82
Total. . . . .	76,070.07	14,598.82
Remitted. . . . .	76,070.07	14,598.82
On hand close of month. . . . .	<u>None</u>	<u>None</u>
<hr/>		
Park revenues received this year to date. . . . .	\$195,933.00	
Park revenues received last year to date. . . . .	<u>223,208.25</u>	
<del>Increase</del> <b>Decrease</b> . . . . .	<u>27,275.25</u>	
Percent of <del>increase</del> <b>decrease</b> . . . . .		<u>8</u>



## DEPARTMENT OF THE INTERIOR

## NATIONAL PARK SERVICE

## REPORT OF TELEPHONE AND TELEGRAPH BUSINESS

**YELLOWSTONE** National Park for the Month of **DECEMBER, 1926.**

	This Month	This Month Last Year	Increase	Percent Increase
<b>LOCAL BUSINESS</b>				
Miles of circuit maintained . . . . .	391	363	28	.077
No. of telephones connected . . . . .	141	132	9	.064
No. of measured service calls . . . . .				
No. of other local calls . . . . .				
Total No. of local calls . . . . .	6470	4805	1665	34
Peak load in calls per day . . . . .	398	242	156	64

Receipts from measured service calls . . . . .

Receipts from coin boxes . . . . .

Receipts from telephone rental . . . . .

## TOTAL RECEIPTS

**LONG DISTANCE BUSINESS**

No. Outbound calls . . . . .	39	61	22	-36
No. Inbound calls . . . . .	62	73	11	-15

## TOTAL LONG DISTANCE CALLS

Peak load in calls per day . . . . .	8	10	2	- 2
Receipts from Long Distance business . . . . .	20.57	28.71	8.14	-28

(All of this revenue accrues to the Mountain States Telegraph & Telephone Co.)

**TELEGRAPH BUSINESS**

Messages via Western Union . . . . .

Messages via . . . . .

## TOTAL MESSAGES

Receipts from telegraph business . . . . .

No. of money transfer messages . . . . .

No. of money transfer receipts . . . . .

TOTAL RECEIPTS TELEPHONE & TELEGRAPH DEPT-



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
NATIONAL PARK SERVICE

\*ELECTRICITY GENERATED, SOLD, USED, ETC.

YELLOWSTONE National Park for the Month of DECEMBER, 1926

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent
Current generated, . . . . .	54720.	401570.	52260.	377030.	24540.	6
Sold to park operators, . . .	389.	78892.5	639.2	73867.3	5025.2	6
Sold to others, . . . . .						
Furnished to other Governmental agencies, . . . . .						
Used by National Park Service, lost in transit, etc., . . .	54331.	322677.5	51620.8	303162.7	19514.8	6
Total current generated, . .	54720.	401570.0	52260.0	377030.0	24540.0	6

Amount receivable from the sale of electricity, . . . . . \$ 19.45

\* Indicated by K. W. H.



Department of the Interior  
National Park Service  
Yellowstone National Park  
Yellowstone Park, Wyoming.

December 15, 1926.

Memorandum report to Mr. Albright:

Compiled report of occupations of Automobile visitors to Yellowstone National Park during the tourist season of 1926 as indicated by the visitor's registers at entrance stations.

A total of 44,472 cars were admitted. Our inquiries concerning occupations were limited to the owners or drivers of the cars which comprised only about one third of the total number of auto visitors.

Three hundred and eighty occupations were listed. The first ten in point of numbers are noted as follows:

Agricultural Occupations 6360, Salesmen 2468, Professions 2062, Merchants 2035, Teachers 1817, Mechanics 1455, Laborers 1454, Students 1384, Proprietors industry and business, 1293, Clerks 1089, total 21,417.

There were 2033 unclassified, and 1006 who registered as "retired".

Occupations	North	West	East	South	Total
Abstractor	3	4	14	0	21
Accountant	36	86	67	25	214
Actor	11	7	4	2	24
Advertiser	10	25	15	5	55
Administrator	1	1	1	0	3
Adjuster	4	2	7	0	13
Agent	14	71	113	15	213
Agricultural occupations:					
Cotton Grower	2	3	3	0	8
Fruit Grower	11	16	12	6	45
Farmer	912	1861	1852	575	5200
Gardener	3	10	11	2	26
Planter	0	4	0	0	4
Rancher	195	268	229	1141	833
Stockman	28	100	73	43	244
Animal Husbandry	0	0	1	0	1
Appraiser	1	3	2	0	6
Apprentice	0	0	1	0	1
Architect	7	17	21	6	51
Army Officer	20	39	55	16	130
Artist	15	3	14	3	35
Assembler	1	1	1	1	4
Auctioneer	4	2	9	2	17
Auditor	7	21	15	5	48
Author	1	1	3	0	5
Aviator	0	7	4	0	11
Bacteriologist	0	2	2	2	6
Baggage Transfer	11	38	17	4	70
Baker	22	52	61	9	144
Ball Player	2	2	3	1	8
Banker	101	211	182	48	542



Occupation	North	West	East	South	Total
Barber	52	65	120	23	266
Basket Maker	1	0	2	0	3
Beauty Specialist	2	2	6	1	11
Beekeeper	2	5	5	1	11
Biologist	1	0	0	0	1
Blacksmith	23	36	28	10	97
Boiler Maker	14	4	20	6	44
Bookkeeper	31	54	54	17	156
Book Binder	2	4	6	0	12
Bottler	3	1	2	0	6
Brewer	1	2	0	2	5
Brick Layer	18	12	36	4	70
Broom Maker	0	2	1	0	3
Broker	16	37	35	7	95
Bronco Buster	2	0	1	6	9
Builder	20	75	84	18	197
Building and Loan	5	1	3	2	11
Bus Line Proprietor	2	5	6	0	13
Butcher	49	70	81	18	218
Butler	0	0	1	0	1
Buyer	40	55	58	12	165
Cabinet Maker	5	1	15	1	22
Cable Splicer	1	0	0	0	0
Canner	1	15	2	1	19
Caretaker	3	1	4	1	9
Carder	0	0	1	0	1
Carpenter	141	381	302	66	890
Cashier	16	27	33	6	82
Casket Maker	2	1	0	1	4
Caterer	0	1	1	0	2
Cement Worker	7	4	3	3	17
Chauffeur	72	99	88	21	280
Chef	3	1	4	1	9
Chemist	21	38	25	12	96
Chimney Sweep	2	0	1	1	4
Chiropractor	7	9	14	2	32
Cheese Maker	3	4	4	4	15
Cigar Maker	7	1	3	0	11
Claim Agent	2	0	1	0	3
Cleaner and Dyer	7	22	25	4	58
Clerk	286	392	298	113	1089
Clock Maker	0	0	1	0	1
Coach, Athletic	5	3	11	2	21
Collector	3	11	5	0	19
Concessioner	0	8	0	1	9
Confectioner	4	8	2	5	19
Congressman	0	0	3	0	3
Contractor	131	214	168	48	561
Cook	32	42	43	4	121
Court Reporter	2	2	3	1	8



Occupation	North	West	East	South	Total
Crane Man	3	1	1	1	6
Creamery Man	15	17	20	5	57
Credit Man	4	5	7	2	18
Cow Puncher	6	2	3	2	13
Cutter	3	3	0	1	7
Dairyman	13	57	41	7	118
Dealer, General unclassified	191	310	272	73	846
Dealer, Auto	57	120	140	27	344
Dealer, Lumber	45	107	110	18	280
Dealer, Real Estate	171	202	220	56	657
Decorator	3	14	29	12	58
Deliveryman	4	1	2	2	9
Demonstrator	2	0	1	0	3
Designer	4	2	4	2	12
Dietitian	0	0	2	0	2
Disciplinarian	0	0	1	0	1
Displayman	1	1	1	0	3
Distributor	6	0	4	1	11
Dog Trainer	0	1	1	0	2
Draftsman	9	18	30	7	64
Draper	2	1	2	0	5
Drayman	3	3	6	2	14
Dressmaker	0	2	2	1	5
Driller	3	9	0	2	14
Druggist	45	66	121	27	279
Dude Rancher	3	0	12	8	23
Dyemaker	2	3	1	1	7
Economist	2	1	0	0	3
Editor	10	10	30	1	51
Educator	32	40	71	25	168
Electrician	121	189	185	38	533
Electro Typist	1	0	1	0	2
Engineer	230	334	318	109	991
Engineman	5	1	1	2	9
Engraver	3	3	13	1	20
Entertainer	3	3	6	0	12
Entomologist	2	1	0	0	3
Executive	13	9	8	6	36
Exhorter	1	5	0	0	6
Expressman	6	9	4	2	23
Faith Healer	0	0	1	0	1
Finisher	0	0	1	0	1
Fireman	31	38	30	2	101
Fisherman	2	4	1	2	9
Florist	18	11	25	1	65
Foreman	35	63	82	28	208



Occupation	North	West	East	South	Total
Fox Farmer	2	1	1	1	5
Fruit Packer	3	0	3	0	6
Furrier	4	1	3	0	8
Gas Maker	0	0	2	1	3
Gauger	5	0	5	1	11
Geologist	6	6	13	14	39
Glazier	4	0	0	1	5
Glass Blower	0	3	3	0	6
Government Employees					
Unclassified	2	16	0	4	22
Bureaus					
Biological Survey	2	2	2	1	7
Coast Guard Service	1	0	0	0	1
Fisheries	3	0	1	1	5
Forest Service	12	9	2	6	29
Geological Survey	1	0	1	0	2
Indian Service	0	3	0	2	5
Land Office	1	2	0	0	3
Mines	2	2	2	0	6
Patent Office	0	0	0	1	1
Public Health Service	2	0	3	1	6
Public Roads	2	1	6	2	11
Reclamation	2	3	3	1	9
Veterans	1	0	2	0	3
Weather Bureau	0	2	0	0	2
Departments					
Justice	2	1	0	0	3
Post Office	91	152	166	44	453
State	0	0	1	0	1
Treasury	7	6	1	2	16
Grain Elevator Employee	0	0	1	0	1
Grinder	0	0	1	0	1
Grocer	34	117	62	17	230
Guide	2	4	4	1	11
Gunsmith	0	1	0	0	1
Harness Maker	2	3	3	3	11
Health Seeker	0	1	1	0	2
Hygienist	0	0	1	0	1
Hod Carrier	0	0	1	0	1
Hotel Employee	3	2	12	0	17
Horticulturist	8	4	7	5	24
Hospital employee	3	9	7	1	20
Housekeeper	4	1	13	1	19
Housewife	117	164	34	53	360
Inspector	16	13	35	9	73



Occupation	North	West	East	South	Total
Instrument Maker	0	0	2	0	2
Insurance	51	91	120	25	287
Inventor	0	0	2	0	2
Investor	12	5	11	6	34
Iron Worker	30	27	31	17	105
Irrigator	4	1	0	2	7
Janitor	13	11	18	3	45
Jeweler	19	38	38	17	112
Jobber	2	4	1	2	9
Journalist	2	2	1	1	6
Judge	6	10	10	2	28
Laboratory Worker	n3	0	1	1	5
Laborer	396	482	527	49	1454
Landscape Gardener	2	0	2	0	4
Lather	3	0	6	1	10
Laundryman	12	39	16	9	76
Leather Worker	3	0	1	2	6
Lecturer	2	0	3	2	7
Librarian	0	1	4	1	6
Loan Agent	7	6	6	5	24
Lobbyist	0	0	1	0	1
Logger	20	21	0	6	47
Longshoreman	1	5	3	0	9
Lumber Jack	7	33	27	3	70
Machinist	87	139	178	44	448
Manager, private, industry, and business	77	143	175	39	434
Manufacturer	46	82	111	31	270
Mariner	4	5	n2	0	11
Matron	0	1	1	0	2
Meat Packer	6	5	1	0	12
Mechanic	320	482	496	157	1455
Merchant, Gen'l., Unclassified	471	665	708	191	2035
Messenger	1	3	3	0	7
Metal worker	16	14	37	6	73
Mill Worker	13	11	23	2	49
Miller	15	39	27	5	86
Milliner	0	5	4	0	9
Millright	2	2	6	3	13
Mine Operator	7	1	16	6	30
Miner	84	219	94	53	450
Missionary	1	5	11	0	17
Motorman	8	15	8	4	35
Motion Picture Producer	2	5	1	0	8
Moving & Storage	3	0	3	0	6
Musician	23	34	44	6	107



Occupation	North	West	East	South	Total
Naturalist	0	0	1	0	1
Naval Officer	3	0	0	1	4
Nurse	18	34	42	7	101
Nurseryman	3	0	6	0	9
Oil Industry					
Dealer	12	45	50	17	124
Driller	11	15	51	17	94
Operator	17	10	45	16	88
Pumper	7	6	8	12	33
Refiner	5	7	15	9	36
Worker	19	17	66	22	144
Oiler, engine	2	0	4	1	7
Operator, Gen'l., Unclassified	3	12	15	2	32
Operator, elevator	3	6	1	1	11
Operator, Motion Picture	4	2	4	1	11
Operator, Power Plant	3	6	1	3	13
Optometrist	8	10	12	3	33
Osteopath	6	1	12	4	23
Painter	52	95	120	15	262
Paper Ranger	2	3	4	1	10
Paper Maker	3	0	1	0	4
Pattern Maker	8	6	1	2	17
Peddler	0	0	2	0	2
Pharmacist	10	5	12	4	31
Photographer	14	25	22	8	69
Physical Director	4	9	1	3	17
Pilot	3	1	2	2	8
Piano Tuner	3	3	3	1	10
Plant Pathologist	0	0	1	1	2
Plasterer	12	19	22	5	58
Plumber	47	66	84	21	218
Police Officer	39	63	59	14	175
Porter	2	0	0	0	2
Potter	2	2	2	0	6
Poultry Dealer	2	4	4	2	12
Poultry Raiser	7	10	7	7	31
Powder Man	2	1	3	0	6
Printing Trades	45	88	109	34	276
Prison Employee	0	0	1	0	1
Producer	3	11	8	2	24
Professions					
Clergyman	83	161	184	47	475
Dentists	43	78	92	21	234
Lawyer	76	167	186	66	495
Physicians	88	262	351	96	797
Priests	3	1	7	2	13
Surgeons	12	3	32	1	48



Occupations	North	West	East	South	Total
Promoter	4	5	5	0	14
Proprietors, industry and business, Gen'l., Unclass- ified - - - - -	38	31	208	5	282
Garage	80	171	214	59	524
Hotel	36	61	29	11	137
Newspaper	17	31	13	7	68
Restaurant	23	56	22	16	117
Sawmill	5	4	3	0	12
Service Station	37	27	29	17	110
Theater	11	25	3	4	43
Psychotherapist	0	0	1	0	1
Publicist	0	0	1	0	1
Public Officer	21	44	58	27	150
Public Utilities	0	0	0	1	1
Publisher	13	7	25	6	51
Pugilist	4	0	2	0	6
Railroad employees					
Brakeman	13	15	13	8	49
Car Repairer	11	6	2	2	21
Clerk	18	13	12	5	48
Conductor	20	19	34	6	79
Dispatcher	9	9	5	6	29
Engineer	35	8	39	4	86
Executive	8	5	22	2	37
Fireman	22	5	19	2	48
Foreman	12	6	0	4	22
Freight Agent	3	1	0	0	4
Freight Handler	8	1	1	0	10
Inspector	8	8	0	0	16
Laborer	17	3	2	3	25
Maintenance	11	3	29	2	45
Mechanic	12	5	18	3	38
Porter	0	2	0	0	2
Signal Man	7	2	1	1	11
Station Agent	13	10	27	5	55
Switchman	12	10	2	3	27
Telegrapher	18	16	14	6	54
Train Master	2	4	1	1	8
Unclassified	6	63	0	5	74
Yard Master	3	2	1	0	6
Range Rider	0	0	1	0	1
Receiver	0	3	1	0	4
Refiner, metal	0	1	0	0	1
Refiner, sugar	7	8	1	4	20
Repairman	9	4	1	1	15
Reporter	6	17	8	4	35
Resort Keeper	4	0	1	3	8
Retired	51	403	434	118	1006
Rigger	1	1	1	1	4



Occupations	North	West	East	South	Total
Road Builder	4	3	6	1	14
Roofer	3	0	1	3	7
Saddler	0	0	1	0	1
Sailor	4	10	2	2	18
Salesman	461	942	874	191	2468
Scoutmaster	1	1	1	0	3
Secretary	15	24	21	8	68
Service Station Employee	12	12	20	0	44
Sexton	2	1	1	0	4
Sheep Herder	7	4	1	2	14
Sheep Shearer	25	8	2	2	37
Shipper	2	3	2	2	9
Ship's Master	0	0	1	0	1
Shoemaker	6	10	9	2	27
Shoe Repairman	9	1	1	0	11
Showman	4	2	0	5	11
Sign Writer	3	3	5	0	11
Skilled Workman, Unclassified	17	21	130	5	173
Soldier	6	34	33	4	77
Song Writer	0	0	1	0	1
Speculator	0	1	2	0	3
Social Worker	2	0	0	0	2
Sports Promoter	0	0	4	1	5
State Highway Employee	4	0	2	0	6
Statistician	2	0	1	1	4
Steeplejack	0	0	1	0	1
Stenographer	21	26	40	17	104
Stillman	3	0	12	4	19
Stone Cutter	4	7	7	1	19
Stone Mason	2	0	0	1	3
Student	224	391	638	131	1384
Superintendent, industry and Business - - - - -	36	38	55	28	157
Surveyor	2	5	8	2	17
Tailor	13	32	25	4	74
Tanner	0	1	0	0	1
Taxi Business	8	3	2	1	14
Taxidermist	2	1	2	0	5
Teacher	293	625	749	150	1817
Teamster	7	11	7	3	28
Telephone Company Employees					
Executive	4	2	1	4	11
Lineman	13	16	19	4	52
Manager	7	7	6	4	24
Mechanic	9	5	9	4	27
Operator	12	15	26	3	56
Unclassified	4	9	0	3	16



Occupations	North	West	East	South	Total
Teller	3	6	5	4	18
Threshing Machine Operator	0	0	2	0	2
Tile Setter	0	1	3	1	5
Timekeeper	6	1	1	0	8
Tinner	3	1	7	4	15
Tool Grinder	6	0	1	0	7
Tool Maker	18	7	43	4	72
Tours Conductor	0	1	0	0	1
Trader	0	0	4	0	4
Trapper	3	0	1	1	5
Traveler	4	55	34	4	97
Tree Surgeon	0	0	2	0	2
Trimmer	6	4	2	1	13
Truck Driver	81	45	67	20	213
Truck Hauling Business	14	19	18	2	53
Typewriter Expert	2	0	1	0	3
Unclassified	801	550	487	195	2033
Undertaker	12	24	29	4	69
Upholsterer	4	4	4	2	14
U. S. Senator	0	1	2	0	3
Veteran, war	3	4	3	3	13
Veterinarian	7	3	16	2	28
Vulcanizer	4	2	1	1	8
Waiter	5	5	3	0	13
Warehouseman	5	9	0	5	19
Watchmaker	4	9	5	0	18
Watermaster	4	1	0	0	5
Weighmaster	0	1	1	0	2
Welder	11	14	11	3	39
Window Trimmer	3	2	5	0	10
Wood Worker	12	46	7	4	69
Wrangler, horse	3	0	5	2	10
Writer	1	3	3	1	6
Totals	9314	14919	15876	4363	44472

SIGNED:

SAM T. WOODRING  
Chief Park Ranger.

YELLOWSTONE  
NATIONAL PARK  
LIBRARY

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